

GREEN RIVER BASIN

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09310500 FISH CREEK ABOVE RESERVOIR, NEAR SCOFIELD, UT

LOCATION.--Lat 39°46'28", long 111°11'25", in NW $\frac{1}{4}$ NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 18, T. 12 S., R. 7 E., Carbon County, Hydrologic Unit 14060007, on right bank 0.8 mi upstream from bridge, 1.2 mi downstream from French Creek, and 4.5 mi north of Scofield.

DRAINAGE AREA.--60.1 mi².

PERIOD OF RECORD.--June to October 1931, April to September 1932, October 1938 to current year. Published as Price River above Scofield Reservoir, near Scofield, October 1938 to September 1967.

REVISED RECORDS.--WDR UT-77-1: Drainage area. WDR UT-88-1: 1987.

GAGE.--Water-stage recorder. Elevation of gage is 7,670 ft above NGVD of 1929, from topographic map. June 1931 to September 1932, and October 1938 to July 27, 1967, at various sites about 0.5 mi downstream at different datums.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Small transmountain diversions in headwaters for irrigation in Sevier Lake basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,450 ft³/s, May 21, 1984, gage height, 6.20 ft; minimum recorded, 0.6 ft³/s, Oct 31, 1960.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 270 ft³/s and maximum (*):

	Date	Time	Discharge (ft ³ /s)	Gage height (ft)		Date	Time	Discharge (ft ³ /s)	Gage height (ft)
	May 5	2230	*258	*2.37					

Minimum daily discharge, 2.7 ft³/s, Aug 13.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.1	8.3	e6.8	e6.0	e5.6	e6.1	e48	132	49	16	7.8	4.2
2	5.3	8.3	e6.4	e6.0	e5.7	e6.1	e56	152	48	15	8.0	3.9
3	5.4	8.8	e6.2	e6.1	e5.8	e6.2	e64	180	46	14	6.5	3.8
4	5.6	e7.6	e6.0	e5.8	e5.8	e6.4	e72	210	44	14	4.6	3.9
5	6.4	e7.0	e6.2	e5.4	e5.7	e6.6	e80	232	42	14	4.1	4.6
6	6.1	e6.8	e6.1	e5.5	e5.6	e6.8	e87	244	41	13	3.8	4.7
7	5.9	e6.9	e6.0	e5.6	e5.8	e7.0	e89	237	39	12	3.7	4.4
8	5.6	e7.0	e5.9	e5.7	e5.8	e7.4	e86	238	37	11	3.5	4.2
9	5.3	7.2	e5.6	e5.8	e5.6	e7.5	e85	241	36	10	3.2	4.0
10	5.1	7.5	e5.6	e5.7	e5.4	e7.5	e87	226	41	11	3.0	3.8
11	4.9	e7.4	e5.7	e5.7	e5.5	e7.4	e88	214	40	12	2.9	3.8
12	4.8	e7.7	e5.7	e5.8	e5.3	e7.4	90	196	35	11	2.8	3.9
13	4.9	7.9	e5.8	e5.7	e5.4	e7.2	107	175	32	11	2.7	4.2
14	4.8	8.1	e5.9	e5.6	e5.7	e7.2	116	154	30	13	2.9	3.7
15	5.2	e8.2	e5.7	e5.7	e5.8	e7.1	110	136	29	13	4.2	3.7
16	5.0	8.2	e5.5	e5.8	e5.8	e7.0	111	126	29	13	6.2	3.8
17	4.9	e8.3	e5.6	e5.7	e6.0	e7.0	121	118	32	13	6.2	4.1
18	5.1	e8.3	e5.7	e5.8	e6.2	e7.3	125	113	34	12	5.7	4.1
19	5.1	e8.0	e5.8	e5.8	e6.3	e8.0	109	108	28	11	5.7	6.1
20	5.2	e8.1	e5.9	e5.8	e6.1	e10	103	105	25	10	5.5	7.1
21	5.1	e8.2	e6.0	e5.7	e6.2	e12	105	98	23	9.6	5.5	5.9
22	5.2	e7.6	e5.8	e5.7	e6.5	e20	97	93	23	9.5	5.3	5.1
23	5.1	e6.0	e5.8	e5.8	e6.7	e26	90	86	21	9.9	5.1	5.1
24	5.2	e6.0	e5.7	e5.9	e6.7	e24	97	81	20	9.1	4.9	5.0
25	5.0	e5.8	e5.9	e6.0	e6.6	e20	98	77	20	8.8	5.0	5.2
26	5.5	e5.8	e5.8	e5.9	e6.6	e20	108	69	20	8.9	5.1	5.1
27	5.7	e5.9	e5.6	e5.8	e6.4	e18	130	64	19	9.3	4.2	4.9
28	5.9	e6.1	e5.6	e5.9	e6.3	e18	151	60	18	8.6	4.1	5.1
29	6.1	e6.3	e5.5	e6.0	e6.2	e22	143	67	18	8.2	4.2	6.5
30	6.2	e6.5	e5.7	e6.0	---	e28	129	59	18	7.9	4.2	7.0
31	6.6	---	e5.9	e5.9	---	e38	---	53	---	7.6	4.1	---
TOTAL	167.3	219.8	181.4	179.6	173.1	389.2	2,982	4,344	937	346.4	144.7	140.9
MEAN	5.40	7.33	5.85	5.79	5.97	12.6	99.4	140	31.2	11.2	4.67	4.70
MAX	6.6	8.8	6.8	6.1	6.7	38	151	244	49	16	8.0	7.1
MIN	4.8	5.8	5.5	5.4	5.3	6.1	48	53	18	7.6	2.7	3.7
AC-FT	332	436	360	356	343	772	5,910	8,620	1,860	687	287	279

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 2004, BY WATER YEAR (WY)

MEAN	11.4	11.3	9.54	8.73	9.17	13.0	61.1	260	134	29.5	14.4	11.0
(WY)	(1983)	(1983)	(1985)	(1971)	(1994)	(1986)	(1988)	(1952)	(1983)	(1983)	(1983)	(1983)
MAX	26.7	28.8	19.3	20.3	21.2	42.7	167	681	731	99.6	37.5	27.0
MIN	5.34	6.01	5.16	3.34	3.45	5.00	11.5	23.5	14.4	6.83	4.07	3.49
(WY)	(1978)	(1965)	(1962)	(1979)	(2002)	(1964)	(1975)	(1977)	(1977)	(1977)	(1977)	(1977)

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09310500 FISH CREEK ABOVE RESERVOIR, NEAR SCOFIELD, UT—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR	FOR 2004 WATER YEAR	WATER YEARS 1939 - 2004
ANNUAL TOTAL	11,516.0	10,205.4	
ANNUAL MEAN	31.6	27.9	48.0
HIGHEST ANNUAL MEAN			113
LOWEST ANNUAL MEAN			10.2
HIGHEST DAILY MEAN	393	May 18	1,310
LOWEST DAILY MEAN	4.5	Feb 10	2.6
ANNUAL SEVEN-DAY MINIMUM	4.9	Oct 11	2.8
ANNUAL RUNOFF (AC-FT)	22,840	20,240	34,780
10 PERCENT EXCEEDS	76	97	124
50 PERCENT EXCEEDS	8.0	6.5	12
90 PERCENT EXCEEDS	5.5	4.8	6.6

e Estimated